

# EMC Intelligent Cloning for SAP

## Business Challenges

Cloning SAP data is important to the lifecycle management of SAP applications. For “pre-go-live” environments, procedures must be documented and tested repeatedly from an established base to prepare for upgrades or migrations. For “post-go-live” environments, management of the SAP application environment includes:

- Patch testing or software upgrade testing
- Feeding data warehouses or an SAP business warehouse initial load
- Configuration and customization for enhanced functionality or new modules
- Training and reporting instances
- Backup and recovery

Copying SAP production data is central to all these activities. EMC is providing an integrated solution focused on automating the cloning process for SAP.

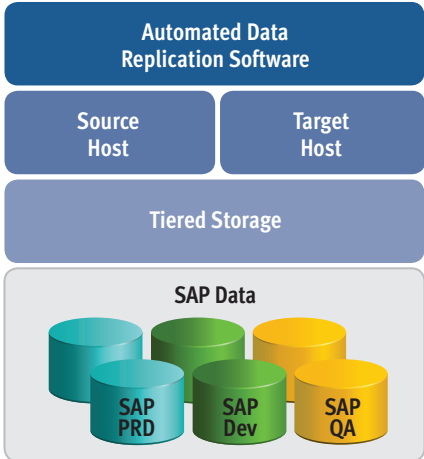
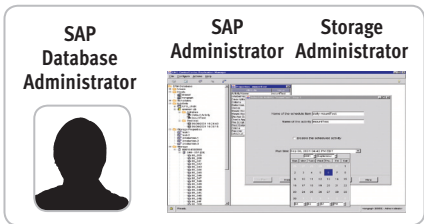
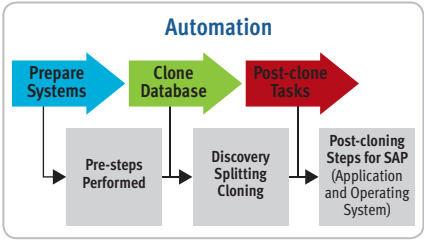
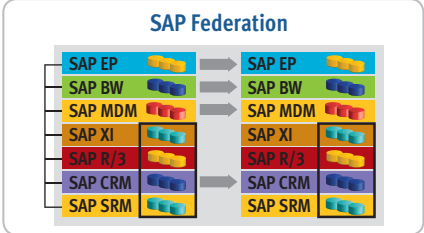
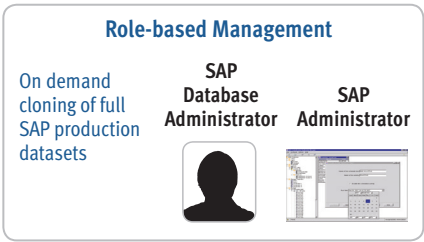
## Solution Description

EMC<sup>2</sup> Intelligent Cloning for SAP combines EMC best-practices planning, design, and implementation expertise with unique automated replication management tools to reduce the cost and complexity typically associated with SAP database replication. This integrated solution helps streamline and simplify SAP data cloning by enabling intelligent, non-disruptive creation of full copies of SAP data.

The solution is delivered in three phases:

- **Phase 1: Planning and Design**—During this phase EMC will document customer objectives for each SAP instance to be cloned, inventory the SAP landscape and database environment, and build a design.
- **Phase 2: Build**—During this phase, EMC will install, set up, register, configure and test the solution designed in Phase 1.
- **Phase 3: Knowledge transfer and transition** including functionality, configuration, and walk-throughs of custom pre- and post-scripting for the system administrators and SAP database administrators.





**Solution Value**

EMC’s Intelligent Cloning for SAP solution delivers automated replication of SAP databases for a wide variety of business uses. BASIS administrators and DBAs are empowered to create copies of data when needed, where needed. With this solution, you can quickly—in hours versus days—automatically clone your SAP databases without downtime or disruption to ongoing operations, ensuring higher application service levels and business continuity. This solution eliminates the typical user-IT request cycle, accelerates testing and implementation, and increases effective overall use of replicas.

**This EMC Proven™ solution enables you to:**

- Streamline maintenance of your SAP environment—with minimal impact on production
- Leverage tiered storage management of your SAP environment for lower TCO
- Create test environments during production hours to shorten project duration
- Rehearse SAP upgrade processes, conversions, and assess downtime impact, mitigating risk during upgrade cutover
- Refresh SAP dual ABAP and Java-stack or Java-only instances

**Key customer benefits include:**

- Process automation walks users through the steps needed to create and manage replicas.
- Application awareness simplifies the use of replication technologies by enabling users to replicate information in the context of an application.
- Automated discovery insulates users from needing to know what database, hosts, or file systems are being used, and how the underlying replication technology is being deployed.
- Integration of pre- and post-cloning scripts provides end-to-end automation of the SAP cloning process.

**Solution Architecture and Components**

A key objective in delivering EMC Proven solutions is to validate and test SAP use cases in the EMC Solutions Lab. Currently, the EMC Intelligent Cloning for SAP solution is built using the following components:

- Automated Replication Software
- Leading SAP Operating Environments
- Tiered Storage



**EMC Corporation**  
 Hopkinton  
 Massachusetts  
 01748-9103  
 1-508-435-1000  
 In North America 1-866-464-7381  
 www.EMC.com

**Take the next step**

The EMC Intelligent Cloning for SAP Proven solution is part of the EMC Solution Suite for SAP. To learn more about this and other solutions, visit [www.EMC.com/sapsolutions](http://www.EMC.com/sapsolutions) or contact your local EMC representative.